



The 1141st meeting of the New England Botanical Club, Inc. will be held **Saturday, 2 November 2019, at 4:00 PM** in Haller Lecture Hall (room 102), Geological Museum, 24 Oxford St., Harvard University, Cambridge, MA.



**“Gypsy Moths From Different Origins Pose Different Risks
to North American Forests”**

”

By

**Dr. Melody Keena
USDA Forest Service
Northern Research Station
Hamden, CT**

PLEASE READ:

- 1) **MELODY’S ABSTRACT:** Multiple introductions of flight-capable Asian gypsy moth females, via egg masses on ships or cargo, into North America have occurred, prompting major eradication programs. However, Asian Gypsy moths (*Lymantria dispar* subspecies *asiatica* and *japonica*) from different geographic origins have different biological and behavioral traits affecting the risk of establishment and spread in new areas. Different proportions of females from Asian populations are capable of flight, increasing the potential rate of spread and making detection and delimitation more difficult; their propensity to initiate flight also varies. Gypsy moths from some geographic origins also possess biological traits that can affect the risk of establishment in new areas: ability of these larvae to utilize hosts that are only marginally acceptable to gypsy moths from other areas, faster larval developmental rates, and different egg hatch requirements. There is also geographic variation in susceptibility to some available biopesticides that could influence their effectiveness in eradication or control programs. Documenting the geographic variation and inheritance of these traits has improved our ability to predict the potential consequences of introductions into different areas and will aid in the development of effective management strategies, if molecular techniques can identify the geographic origin of intercepted gypsy moths.
- 2) **NEXT NEBC MEETINGS:** On Saturday, December 7, 2019, Dr. Jaclyn Hatala Matthes, Dept. Biological Sciences, Wellesley College, Wellesley, MA, will speak on *“Forecasting the Ecosystem Impacts of Invasive Insects in Northeastern U.S. Forests.”*

On Saturday, January 11, 2020, we will have our members’ “show and tell,” raffle, and potluck dinner at Division of Fisheries and Wildlife's Cronin Building, 1 Rabbit Hill Road, Westborough, MA. Start making your preparations for *“20th Assembly of Associates’ Appetizing Alimentary Acquisitions and Amazing Apparitions of Angiosperms.”*

Please see the [2019-2020 Program Calendar](#) for meetings that have been planned through May 2020.

- 3) **2019-2020 NEBC MEETINGS WILL BE 4 PM SATURDAY:** Please see [What's New](#) webpage for details and request for feedback.

- 4) **VIDEOS of PAST PRESENTATIONS:** Please see [Past Meetings](#) for videos of past lectures, including Caitlin McDonough MacKenzie's October talk in place of Jacquelyn Gill who could not be present. Caitlin, who is in Jacquelyn's lab spoke on "*A Paleoecological Perspective on Subalpine and Alpine Vegetation in Maine.*" Dr. Gill has been invited to speak 4 April 2020 instead.

- 5) **NONVASCULAR HERBARIUM WORK DATES:** If you would like to help Elizabeth Kneiper and the Nonvascular Herbarium Committee with many tasks related to the NEBC collection, please contact her at Ekneiper@aol.com. Meet in the basement of the Farlow Herbarium, Harvard University, Cambridge, MA. Upcoming work dates are on Wednesday's and Saturday's. Please see the [What's New](#) page for details.

- 6) **PARKING LOCATION:** Our designated FREE parking lot is **the 52 Oxford St. Garage, near the intersection of Everett St. and Oxford St.** Parking in any other lot will likely lead to towing. Please find a map showing the Oxford Garage (52OXST) at the following link: [Interactive Harvard University Campus Map](#)

- 7) **NEW SATURDAY PARKING ARRANGEMENTS:** Free parking for attendees will be from 12 noon to 7 PM on the Saturday of the meeting. NEBC Council members and people working in the vascular and nonvascular herbaria may park free from 9AM to 7PM.

The Council will meet 2:30-3:30 PM in the meeting room near Haller Lecture Hall.

The New England Botanical Club **2019-2020 Program Calendar**
Harvard University Herbaria, 22 Divinity Ave., Cambridge, MA 02138-2020
NEBC Association Manager: John Burns nebc@rhodora.org
Club Phone: (413) 548-5668

NEBC Corresponding Secretary
Dr. Nancy M. Eyster-Smith
neystersmith@bentley.edu
NEBC WEB SITE: <http://www.rhodora.org/>